

Recent IBM patents

The following patents were recently issued by the countries in which the inventions were made. For U.S. patents, titles and names supplied to us by the U.S. Patent Office are reproduced exactly as they appear on the original published patent.

Federal Republic of Germany

3,175,207,108	G. Schmackpfeffer, G. Makosch, and W. Jaerisch	Method and Device for Ferrometrical Planarity Measuring
3,272,669,408	G. Kraus, R. Muehl, U. Kuenzel, H. Hinkel, and G. Kaus	Plasma Reactor for Etching and Coating Substrates
3,272,696,108	H. F. Hasselmeier	Method of Editing Dot Pattern Data for Character and/or Image Representations
3,272,860,308	G. Goldrian	Time Measuring Adapter for Logic Analyzer
3,272,888,308	G. Bock, B. Hafner, K. P. Thiel, and R. Muehl	Reverse Process for Making Chromium Masks Using Silicon Dioxide Dry Etch Mask

France

89,440	J. L. Calvignac, R. Castel, and W. Draper	Method and Apparatus for Exchanging Information Between Terminals and a Central Control Unit
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Japan

694,213	Y. Manabe	Image Scanner
694,223	H. Takahashi	Printer for Electronic Computer

Sweden

85,033,926	R. E. Kelly	Method for Hidden Line Removal
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United Kingdom

97,744	J. S. Heath	Print Head Assembly for Non-Impact Printing
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United States

4,611,203	T. N. Criscimagna, H. S. Hoffman, Jr., and W. R. Knecht	Video Mode Plasma Display
4,611,272	D. B. Lomet	Key-Accessed File Organization
4,611,273	A. E. Pione	Synchronized Microsequencer for a Microprocessor
4,611,279	M. E. Andresen, T. A. Kriz, and A. S. Potemski	DMA Asynchronous Mode Clock Stretch
4,611,306	D. T. Crehan and C. J. Lovell	Display Menu/Chart Key
4,611,346	G. M. Bednar, G. B. Fryer, and M. S. Narasimha	Method and Apparatus for Character Recognition Accommodating Diacritical Marks
4,611,746	E. N. Levine, L. D. Lipschutz, and H. Quinones	Process for Forming Improved Solder Connections for Semiconductor Devices with Enhanced Fatigue Life
4,612,210	D. C. Hofer, D. B. LaVergne, R. J. Twieg, and W. Volksen	Process for Planarizing a Substrate
4,612,275	L. V. Gregor	Multilayer Resists with Improved Sensitivity and Reduced Proximity Effect
4,612,805	J. A. Bruce and R. G. Narechania	Adhesion Characterization Test Site
4,613,345	R. P. Thicke, S. B. O'Brien, D. M. Nordyke, D. L. Fox, T. E. Folkert, and B. R. Diemer	Fixed Abrasive Polishing Media

4,613,398	K. N. Chiong, B.-J. L. Yang, and J.-M. Yang	Formation of Etch-Resistant Resists Through Preferential Permeation
4,613,731	D. Godard	Method of Cancelling Listener Echo in a Digital Data Receiver, and Device for Implementing Said Method
4,613,775	C. J. Dick	Apparatus or Method for Stabilizing the Frequency of a Clock Signal Generated from an On-Chip Clock Generator
4,613,915	W. G. Crouse, E. A. Cunningham, and A. W. Vinal	Twin Track Vertical Magnetic Recording Servo Control Method and Apparatus with Offset Voltage Compensation
4,613,916	M. Johnson	Information Storage Disk Transducer Position Control System Requiring No Servo Pattern on the Storage Disk
4,613,936	M. E. Andresen	Centralized Generation of Data Transfer Acknowledge Pulses for Microprocessors
4,613,958	E. F. Culican, M. C. Graf, and L. C. Ritchie	Grate Array Chip
4,613,966	T. H. DiStefano and R. Sadofsky	Sealed Encapsulation for Floppy Disk Using Centrifugal Force to Flatten Disk
4,614,116	A. L. Huston and W. E. Moerner	Phase Sensitive Ultrasonic Modulation Method for the Detection of Strain-Sensitive Spectral Features
4,614,629	J. Economy and A. E. Zachariades	Rotational Compression Process for Forming Liquid Crystalline Polymers with Ultra-High Mechanical Properties
4,614,885	R. Brosch, J. Keinert, E. Klink, and F. C. Wernicke	Phase Splitter with Latch
4,615,002	J. G. Innes	Concurrent Multi-Lingual Use in Data Processing System
4,615,004	P. R. Chevillat, H. P. Kaeser, D. G. U. Maiwald, and G. Ungerboeck	Microprocessor Including Means for Concurrently Copying ALU Results into Selected Operand Register Subsets and at Least One Main Memory Locations
4,615,010	J. W. Davis and F. D. Jones	Field Effect Transistor (FET) Cascode Current Switch (FCCS)
4,615,011	R. Linsker	Iterative Method for Establishing Connections and Resulting Product
4,615,017	D. E. Finlay, K. S. Norgren, and F. S. Shook	Memory Controller with Synchronous or Asynchronous Interface
4,615,763	J. D. Gelorme, W. H. Lawrence, and P. Slota, Jr.	Roughening Surface of a Substrate
4,615,766	T. N. Jackson, G. Pepper, and R. F. Rutz	Silicon Cap for Annealing Gallium Arsenide
4,616,218	E. L. Bailey, R. L. Cimijotti, and L. H. Lowrie	Adjustable CRT Display
4,616,242	P. M. Solomon and S. L. Wright	Enhancement and Depletion Mode Selection Layer for Field Effect Transistor
4,616,276	M. L. Workman	Disk File Servo Control System with Fast Reduction of Repeatable Head Position Error
4,616,310	F. H. Dill, D. T. Ling, R. E. Matick, and D. J. McBride	Communicating Random Access Memory
4,616,335	L. D. Howe, Jr., B. J. Oza, and T. J. Roche	Apparatus for Suspending a System Clock When an Initial Error Occurs
4,616,336	D. B. Robertson, S. A. Wagh, M. F. Piller, D. T. Crehan, and C. J. Lovell	Independent Image and Annotation Overlay with Highlighting of Overlay Conflicts
4,616,341	J. E. Andersen, J. A. Petrosky, B. U. Messina, and W. D. Silkman	Directory Memory System Having Simultaneous Write and Comparison Data Bypass Capabilities
4,616,347	K. Bernstein	Multi-Port System
4,616,919	J. M. Adley and P. Chang	Non-Contact Developer Seal
4,616,944	M. J. Galatha, D. V. Iorio, and C. W. Robinson	Printer Frame Assembly and Method of Assembly
4,616,945	S. R. Komplin	Correction Feed Mechanism in a Correction Tape Cartridge
4,617,081	C. D. Bleau, A. Gasper, Jr., J. J. Perlini, and A. A. Stricker	Side Flap Fold Apparatus for a Disk Envelope
4,617,086	T. J. Chuang, F. A. Houle, and K. E. Petersen	Rapid Etching Method for Silicon by SF ₆ Gas
4,617,087	S. S. Iyer and R. V. Joshi	Method for Differential Selective Deposition of Metal for Fabricating Metal Contacts in Integrated Semiconductor Circuits
4,617,564	Y. Yoshioka	Graphic Display System with Display Line Scan Based Other Than Power of 2 Refresh Memory Based on Power of 2
4,617,579	K. G. Sachdev, A. Afzali-Ardakani, K. S. Pennington, and M. S. Cohen	Hydrophilic Protective Coatings for Electroerosion Printing
4,617,646	K.-H. Yang	Electric Field Gradient Excited Liquid Crystal Cell Having Bistability
4,617,664	F. J. Aichelmann, Jr. and L. K. Lange	Error Correction for Multiple Bit Output Chips
4,617,730	P. Geleermans and G. S. Mathad	Method of Fabricating a Chip Interposer
4,618,292	R. L. Judge and A. D. Wutka	Controls for Semiconductor Wafer Orientor
4,618,477	S. V. Babu, R. S. Horwath, N.-H. Lu, and J. A. Welsh	Uniform Plasma for Drill Smear Removal Reactor
4,618,767	D. A. Smith and O. C. Wells	Low-Energy Scanning Transmission Electron Microscope
4,618,782	A. Lang and W. H. Sakmann	Transistor Power Amplifier Having Reduced Switching Times
4,618,784	B. A. Chappell, T. V. Rajeevakumar, S. E. Schuster, and L. M. Terman	High-Performance, High-Density CMOS Decoder/Driver Circuit

4,618,808	J. Ish-Shalom, L. A. Katz, and D. G. Manzer	Electromagnetic Actuator System Using Stepper Motor with Closed Loop Position Sensing, Electronic Commutation and Dynamic Position and Anomaly Correction
4,618,943	A. G. Aipperspach, J. M. Fitzgerald, and P. T. Wu	Semiconductor Static Read/Write Memory Having an Additional Read-Only Capability
4,618,984	S. K. Das and N. R. Dixon	Adaptive Automatic Discrete Utterance Recognition
4,619,537	P. K. Do, C. E. Wyke, B. R. Kendrick, Jr., D. R. Hedrick, and D. Troupes	Ribbon Feed with Ink Depletion Compensation
4,619,731	D. A. Buttry, M. T. Krounbi, and O. R. Melroy	Process for Etching Via Holes in Alumina
4,620,187	D. E. Conner	Transformer Coupled, Solid State Communications Line Switch
4,620,216	J. L. Horvath	Unitary Slotted Heat Sink for Semiconductor Packages
4,620,243	K. L. Bakken, R. G. Judson, W. E. Miller, and R. A. Peterson	Disk Drive Incremental Rewrite
4,620,253	R. L. Garwin and D. A. Thompson	Low Mass Actuator System for Magnetic Recording Disk
4,620,276	T. P. Daniell, R. C. Harding, Jr., R. W. R. Harvey, and S. H. H. Nauckhoff	Method and Apparatus for Asynchronous Processing of Dynamic Replication Messages
4,620,295	J. A. Aiken, Jr.	Method for Accessing a Data Set in a Word Processing System